

**REMARKS**

In view of the foregoing, applicants submit that this case is in condition for allowance and such allowance is earnestly solicited.

Respectfully submitted,

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Date

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APPENDIX

6. (Amended) A method according to [any one of Claims] claim 1 [to 5] wherein the epithelial cell sample from the patient is a lung cell sample or a nasal cell sample.

12. (Amended) A method according to [any one of Claims] claim 7 [to 11] wherein the epithelial cell sample from the patient is a lung cell sample or a nasal cell sample.

13. (Amended) A method according to [any one of Claims] claim 7 [to 11] wherein the effectiveness of a treatment for cystic fibrosis is being tested on the patient.

20. (Amended) A method according to [any one of Claims] claim 14 [to 19] wherein the method is carried out *in vivo*.

23. (Amended) A compound identified by the method of [any one of Claims] claim 14 [to 22].

32. (Amended) A peptide according to [any one of Claims 28 to] claim 31 which [has the sequence KENIIFGVSYDEYR] comprises SEQ. ID. NO. 1.

33. (Amended) A peptide according to [any one of Claims] claim 28 [to 32] further comprising a lipid-solubilising moiety.

36. (Amended) A peptide according to [Claims] claim 33 [or 34] wherein the lipid-solubilising moiety is a fatty acid.

39. (Amended) A pharmaceutical formulation

comprising a peptide according to [any one of Claims] claim 28 [to 37] and a pharmaceutically acceptable carrier.

40. (Amended) A method of treating cystic fibrosis or a chronic sputum producing disorder, the method comprising administering to a [the] patient an effective amount of a peptide according to [any one of Claims] claim 28 [to 37].

45. (Amended) A peptide according to claim 43 [or 44] wherein the [said] histidine residue is phosphorylated.

48. (Amended) An antibody obtainable by the method of claim 46 [or 47].

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